

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1642BJF

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	DEC 18	CA/CAPLUS pre-1967 chemical substance index entries enhanced with preparation role
NEWS	4	DEC 18	CA/CAPLUS patent kind codes updated
NEWS	5	DEC 18	MARPAT to CA/CAPLUS accession number crossover limit increased to 50,000
NEWS	6	DEC 18	MEDLINE updated in preparation for 2007 reload
NEWS	7	DEC 27	CA/CAPLUS enhanced with more pre-1907 records
NEWS	8	JAN 08	CHEMLIST enhanced with New Zealand Inventory of Chemicals
NEWS	9	JAN 16	CA/CAPLUS Company Name Thesaurus enhanced and reloaded
NEWS	10	JAN 16	IPC version 2007.01 thesaurus available on STN
NEWS	11	JAN 16	WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data
NEWS	12	JAN 22	CA/CAPLUS updated with revised CAS roles
NEWS	13	JAN 22	CA/CAPLUS enhanced with patent applications from India
NEWS	14	JAN 29	PHAR reloaded with new search and display fields
NEWS	15	JAN 29	CAS Registry Number crossover limit increased to 300,000 in multiple databases
NEWS	16	FEB 15	PATDPASPC enhanced with Drug Approval numbers
NEWS	17	FEB 15	RUSSIAPAT enhanced with pre-1994 records
NEWS	18	FEB 23	KOREAPAT enhanced with IPC 8 features and functionality
NEWS	19	FEB 26	MEDLINE reloaded with enhancements
NEWS	20	FEB 26	EMBASE enhanced with Clinical Trial Number field
NEWS	21	FEB 26	TOXCENTER enhanced with reloaded MEDLINE
NEWS	22	FEB 26	IFICDB/IFIPAT/IFIUDB reloaded with enhancements
NEWS	23	FEB 26	CAS Registry Number crossover limit increased from 10,000 to 300,000 in multiple databases
NEWS	24	MAR 15	WPIDS/WPIX enhanced with new FRAGHITSTR display format
NEWS	25	MAR 16	CASREACT coverage extended
NEWS	26	MAR 20	MARPAT now updated daily
NEWS	27	MAR 22	LWPI reloaded
NEWS	28	MAR 30	RDISCLOSURE reloaded with enhancements
NEWS	29	MAR 30	INPADOCDB will replace INPADOC on STN
NEWS	30	APR 02	JICST-EPLUS removed from database clusters and STN
NEWS EXPRESS	NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.		
NEWS HOURS	STN Operating Hours Plus Help Desk Availability		
NEWS LOGIN	Welcome Banner and News Items		
NEWS IPC8	For general information regarding STN implementation of IPC 8		
NEWS X25	X.25 communication option no longer available		

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 11:41:25 ON 03 APR 2007

=> file reg

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 11:41:52 ON 03 APR 2007

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STRUCTURE FILE UPDATES: 2 APR 2007 HIGHEST RN 928880-35-7

DICTIONARY FILE UPDATES: 2 APR 2007 HIGHEST RN 928880-35-7

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TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

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<http://www.cas.org/ONLINE/UG/regprops.html>

=> s 2495-37-6

L1 1 2495-37-6  
(2495-37-6/RN)

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.45	0.66

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 11:42:05 ON 03 APR 2007

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FILE COVERS 1907 - 3 Apr 2007 VOL 146 ISS 15

FILE LAST UPDATED: 2 Apr 2007 (20070402/ED)

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<http://www.cas.org/infopolicy.html>

=> s 11/pof

504 L1  
220657 POF/RL  
L2 27 L1/POF  
(L1 (L) POF/RL)

=> s 12 not py>2001

6075210 PY>2001  
L3 5 L2 NOT PY>2001

=> d ibib 1-5

L3 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2001:668224 CAPLUS <<LOGINID::20070403>>  
DOCUMENT NUMBER: 135:227929  
TITLE: Fiber-reinforced resin compositions for use in  
concrete structure patching with low odor and good  
adhesion and method for patching  
INVENTOR(S): Maeda, Yasuhiro; Akiyama, Kosuke; Murao, Masayoshi;  
Takayanagi, Takashi  
PATENT ASSIGNEE(S): Japan U-Pica Co., Ltd., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001247636	A	20010911	JP 2000-64328	20000309
PRIORITY APPLN. INFO.:			JP 2000-64328	20000309

L3 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2001:17872 CAPLUS <<LOGINID::20070403>>  
DOCUMENT NUMBER: 134:72394  
TITLE: Thermosetting polymer compositions with low curing  
shrinkage in molding and their composites with  
inorganic fillers  
INVENTOR(S): Matsui, Fumio; Morita, Katsuhisa; Hatano, Yoshitaka;  
Takahashi, Kentaro  
PATENT ASSIGNEE(S): Showa Highpolymer Co., Ltd., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001002741	A	20010109	JP 1999-172869	19990618
PRIORITY APPLN. INFO.:			JP 1999-172869	19990618

L3 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 1997:315201 CAPLUS <<LOGINID::20070403>>  
DOCUMENT NUMBER: 126:294441  
TITLE: Thermosetting resin-inorganic fiber composite sheets  
with visibility at high temperature  
INVENTOR(S): Uda, Takashi; Kyono, Hiroshi  
PATENT ASSIGNEE(S): Sekisui Chemical Co. Ltd., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.

DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09067775	A	19970311	JP 1995-220221	19950829
PRIORITY APPLN. INFO.:			JP 1995-220221	19950829

L3 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 1996:205069 CAPLUS <<LOGINID::20070403>>  
DOCUMENT NUMBER: 124:234043  
TITLE: One-component reactive adhesives which become porous during curing  
INVENTOR(S): Friese, Carsten; Bergmann, Frank; Huver, Thomas  
PATENT ASSIGNEE(S): Henkel Kgaa, Germany  
SOURCE: Ger. Offen., 7 pp.  
CODEN: GWXXBX  
DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 4427471	A1	19960208	DE 1994-4427471	19940803
WO 9604347	A1	19960215	WO 1995-EP2961	19950725
W: JP, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 773979	A1	19970521	EP 1995-928472	19950725
EP 773979	B1	19991013		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, NL, PT, SE				
JP 10503539	T	19980331	JP 1995-506166	19950725
AT 185583	T	19991015	AT 1995-928472	19950725
ES 2138232	T3	20000101	ES 1995-928472	19950725
US 5962540	A	19991005	US 1997-776728	19970303
PRIORITY APPLN. INFO.:			DE 1994-4427471	A 19940803
			WO 1995-EP2961	W 19950725

L3 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 1996:102507 CAPLUS <<LOGINID::20070403>>  
DOCUMENT NUMBER: 124:119094  
TITLE: One-component reactive adhesives containing an isocyanate and/or silane group-containing adhesive and an aerobic adhesive  
INVENTOR(S): Huver, Thomas; Fischer, Herbert; Klauck, Wolfgang; Bolte, Gerd  
PATENT ASSIGNEE(S): Henkel KGaA, Germany  
SOURCE: Ger. Offen., 6 pp.  
CODEN: GWXXBX  
DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 4420151	A1	19951214	DE 1994-4420151	19940609
WO 9533800	A1	19951214	WO 1995-EP2047	19950530
W: JP, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 764192	A1	19970326	EP 1995-921779	19950530

EP 764192	B1	19980812		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, NL, PT, SE				
JP 10501012	T	19980127	JP 1995-500315	19950530
AT 169661	T	19980815	AT 1995-921779	19950530
ES 2119449	T3	19981001	ES 1995-921779	19950530
US 5744543	A	19980428	US 1996-750426	19961209
PRIORITY APPLN. INFO.:			DE 1994-4420151	A 19940609
			WO 1995-EP2047	W 19950530

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

11.33

11.99

FILE 'REGISTRY' ENTERED AT 11:43:55 ON 03 APR 2007

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DICTIONARY FILE UPDATES: 2 APR 2007 HIGHEST RN 928880-35-7

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<http://www.cas.org/ONLINE/UG/regprops.html>

=> E "METHACRYLOYLOXETHYL"/CN 25

E1	1	METHACRYLOYLLUPININE HYDROCHLORIDE/CN
E2	1	METHACRYLOYLNEOPETASOL/CN
E3	0 -->	METHACRYLOYLOXETHYL/CN
E4	1	METHACRYLOYLOXY POLYTETRAHYDROFURAN/CN
E5	1	METHACRYLOYLOXY SILOXANES/CN
E6	1	METHACRYLOYLOXY SUCCINIMIDE/CN
E7	1	METHACRYLOYLOXY (TRIETHOXY) SILANE-TETRAETHOXYSILANE HYDROLYTIC COPOLYMER/CN
E8	1	METHACRYLOYLOXY-B-HYDROXYPROPYL N-PHENYLGLYCINE/CN
E9	1	METHACRYLOYLOXYBUTYL ANTHRANILATE/CN
E10	1	METHACRYLOYLOXYETHYL ANTHRANILATE/CN
E11	1	METHACRYLOYLOXYETHYL ANTHRANILATE POLYMER/CN
E12	1	METHACRYLOYLOXYETHYL ANTHRANILATE-BUTADIENE-STYRENE POLYMER/CN
E13	1	METHACRYLOYLOXYETHYL ANTHRANILATE-STYRENE-BUTYL ACRYLATE POLYMER/CN
E14	1	METHACRYLOYLOXYETHYL DIPHENYL PHOSPHATE/CN
E15	1	METHACRYLOYLOXYETHYL ISOCYANATE-METHOXYTETRAETHYLENE GLYCOL MONOMETHACRYLATE COPOLYMER/CN
E16	1	METHACRYLOYLOXYETHYL ISOCYANATE-METHYL METHACRYLATE COPOLYMER/CN
E17	1	METHACRYLOYLOXYETHYL ISOCYANATE-METHYL METHACRYLATE-B-(PERFLUOROOCOTYL)ETHYL METHACRYLATE COPOLYMER/CN
E18	1	METHACRYLOYLOXYETHYL ISOCYANATE-METHYL METHACRYLATE-TRI(OXYTETRAMETHYLENE) GLYCOL DIMETHACRYLATE COPOLYMER/CN

E19 1 METHACRYLOYLOXYETHYL PHOSPHATE/CN  
 E20 1 METHACRYLOYLOXYETHYL  
 PHOSPHATE-2-METHYLSTYRENE-TRIS (2- (ACRYLOYLOXY) ETHYL) ISOCYANURATE-VINYLSULFONIC  
 ACID-2-VINYLTIAZOLE-VINYL N-VALERATE COPOLYMER/CN  
 E21 1 METHACRYLOYLOXYETHYL  
 PHOSPHATE-3-METHYLSTYRENE-TRIS (2- (ACRYLOYLOXY) ETHYL) ISOCYANURATE-VINYL  
 BUTYRATE-2-VINYL-1,3-DIOXOLANE COPOLYMER/CN  
 E22 1 METHACRYLOYLOXYETHYL PHOSPHATE-ENC-POLYETHYLENE GLYCOL  
 DIMETHACRYLATE-RIPOXY 630X501 COPOLYMER/CN  
 E23 1 METHACRYLOYLOXYETHYL PHOSPHATE-METHYL METHACRYLATE COPOLYMER/CN  
 E24 1 METHACRYLOYLOXYETHYL PHOSPHITE/CN  
 E25 1 METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE-TRIFLUOROETHYL  
 METHACRYLATE COPOLYMER/CN

=> E 25

E26 1 METHACRYLOYLOXYETHYL PHTHALATE-4-METHACRYLOYLOXYETHYLTRIMELLITIC  
 ANHYDRIDE-TRIETHYLENE GLYCOL DIMETHACRYLATE-URETHANE DIMETHACRYLATE COPOLYMER/CN  
 E27 1 METHACRYLOYLOXYETHYL SUCCINATE/CN  
 E28 1 METHACRYLOYLOXYETHYL SUCCINATE-METHYL METHACRYLATE COPOLYMER/CN  
 E29 1 METHACRYLOYLOXYETHYL-BENZYL DIMETHYLAMMONIUM CHLORIDE/CN  
 E30 1 METHACRYLOYLOXYETHYLDIETHYLMETHYLAMMONIUM  
 P-TOLUENESULFONATE-STYRENE COPOLYMER/CN  
 E31 1 METHACRYLOYLOXYETHYLDIMETHYLAMINE/CN  
 E32 1 METHACRYLOYLOXYETHYLDIMETHYLAMMONIUM CHLORIDE-METHYL  
 METHACRYLATE COPOLYMER/CN  
 E33 1 METHACRYLOYLOXYETHYLDIMETHYLETHYLAMMONIUM CHLORIDE HOMOPOLYMER/CN  
 E34 1 METHACRYLOYLOXYETHYLDIMETHYLOCTYLAMMONIUM CHLORIDE-METHYL  
 METHACRYLATE COPOLYMER/CN  
 E35 1 METHACRYLOYLOXYETHYLHEXADECYLDIMETHYL AMMONIUM BROMIDE-STYRENE  
 COPOLYMER/CN  
 E36 1 METHACRYLOYLOXYETHYLHEXADECYLDIMETHYLAMMONIUM  
 BROMIDE-METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-METHYL METHACRYLATE-STYRENE  
 COPOLYMER/CN  
 E37 1 METHACRYLOYLOXYETHYLMETHYL ANTHRANILATE-ETHYL ACRYLATE POLYMER/CN  
 E38 1 METHACRYLOYLOXYETHYLTRIMETHYL AMMONIUM  
 CHLORIDE-N-METHYLOLACRYLAMIDE-N-VINYL-2-PYRROLIDINONE COPOLYMER/CN  
 E39 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE HOMOPOLYMER/CN  
 E40 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-ACRYLAMIDE  
 COPOLYMER/CN  
 E41 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM  
 CHLORIDE-ACRYLOYLMORPHOLINE-POLYETHYLENE GLYCOL DIMETHACRYLATE COPOLYMER/CN  
 E42 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-ETHYL  
 METHACRYLATE COPOLYMER/CN  
 E43 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-LAURYL  
 METHACRYLATE COPOLYMER/CN  
 E44 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-METHYL  
 METHACRYLATE COPOLYMER/CN  
 E45 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-METHYL  
 METHACRYLATE-N-VINYL-2-PYRROLIDONE COPOLYMER/CN  
 E46 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-MS 3800 GRAFT  
 COPOLYMER/CN  
 E47 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM  
 CHLORIDE-N,N-DIMETHYLACRYLAMIDE-PENTAERYTHRITOL TRIALLYL ETHER COPOLYMER/CN  
 E48 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-N-VINYLFORMAMIDE  
 COPOLYMER/CN  
 E49 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-POLYETHYLENE  
 GLYCOL METHYL ETHER METHACRYLATE COPOLYMER/CN  
 E50 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-SODIUM  
 METHALLYLSULFONATE COPOLYMER/CN

=> E "2-METHACRYLOYLOXETHYL PHOSPHORYLCHOLINE"/CN 25

E1 1 2-METHACRYLOYLBENZALDEHYDE/CN  
 E2 1 2-METHACRYLOYLBENZOXAZOLE/CN  
 E3 0 --> 2-METHACRYLOYLOXETHYL PHOSPHORYLCHOLINE/CN

E4	1	2-METHACRYLOYLOXY-2'-METHOXY-1,1'-BINAPHTHALENE/CN
E5	1	2-METHACRYLOYLOXY-2'-METHOXY-1,1'-BINAPHTHALENE HOMOPOLYMER/CN
E6	1	2-METHACRYLOYLOXY-2-CHLOROETHYL (2-METHACRYLOYLOXY-2-BROMOETHYL) (2,3-DIBROMOPROPYL) PHOSPHINE OXIDE/CN
E7	1	2-METHACRYLOYLOXY-2-METHYLADAMANTANE/CN
E8	1	2-METHACRYLOYLOXY-2-METHYLADAMANTANE-A-METHACRYLOYLOXY-Γ-BUTYROLACTONE-1-ACRYLOYLOXY-3-HYDROXYADAMANTANE COPOLYMER/CN
E9	1	2-METHACRYLOYLOXY-2-METHYLADAMANTANE-A-METHACRYLOYLOXY-Γ-BUTYROLACTONE-1-METHACRYLOYLOXY-3-HYDROXYADAMANTANE COPOLYMER/CN
E10	1	2-METHACRYLOYLOXY-2-METHYLADAMANTANE-B-METHACRYLOYLOXY-B-METHYL-Δ-VALEROLACTONE COPOLYMER/CN
E11	1	2-METHACRYLOYLOXY-7-(1-ADAMANTYLOXY) CARBONYL-4-OXATRICYCLO(4.2.1.03,7)NONAN-5-ONE/CN
E12	1	2-METHACRYLOYLOXY-7-(1-ETHYLCYCLOHEXYLOXY) CARBONYL-4-OXATRICYCLO(4.2.1.03,7)NONAN-5-ONE/CN
E13	1	2-METHACRYLOYLOXY-7-(2-METHYL-2-ADAMANTYLOXY) CARBONYL-4-OXATRICYCLO(4.2.1.03,7)NONAN-5-ONE/CN
E14	1	2-METHACRYLOYLOXYBENZOIC ACID/CN
E15	1	2-METHACRYLOYLOXYBENZOYL CHLORIDE/CN
E16	1	2-METHACRYLOYLOXYETHYL B,D-GALACTOPYRANOSIDE HOMOPOLYMER/CN
E17	1	2-METHACRYLOYLOXYETHYL 2,3,5-TRIIDOBENZOATE/CN
E18	1	2-METHACRYLOYLOXYETHYL 2,3,5-TRIIDOBENZOATE HOMOPOLYMER/CN
E19	1	2-METHACRYLOYLOXYETHYL 2,5-DIMETHOXYSTILBENE-4'-CARBAMATE/CN
E20	1	2-METHACRYLOYLOXYETHYL 2,5-DIMETHOXYSTILBENE-4'-CARBAMATE POLYMER/CN
E21	1	2-METHACRYLOYLOXYETHYL 2-HYDROXYPROPYL PHTHALATE/CN
E22	1	2-METHACRYLOYLOXYETHYL 3-CHLORO-4-HYDROXYBENZOATE/CN
E23	1	2-METHACRYLOYLOXYETHYL 4'-CHALCONECARBOXYLATE/CN
E24	1	2-METHACRYLOYLOXYETHYL 4'-CHALCONECARBOXYLATE POLYMER/CN
E25	1	2-METHACRYLOYLOXYETHYL 4-CHALCONECARBOXYLATE/CN
=> E "METHACRYLOYLOXETHYL PHOSPHORYLCHOLINE"/CN 25		
E1	1	METHACRYLOYLLUPININE HYDROCHLORIDE/CN
E2	1	METHACRYLOYLNEOPETASOL/CN
E3	0 -->	METHACRYLOYLOXETHYL PHOSPHORYLCHOLINE/CN
E4	1	METHACRYLOYLOXY POLYTETRAHYDROFURAN/CN
E5	1	METHACRYLOYLOXY SILOXANES/CN
E6	1	METHACRYLOYLOXY SUCCINIMIDE/CN
E7	1	METHACRYLOYLOXY (TRIETHOXY) SILANE-TETRAETHOXY SILANE HYDROLYTIC COPOLYMER/CN
E8	1	METHACRYLOYLOXY-B-HYDROXYPROPYL N-PHENYLGLYCINE/CN
E9	1	METHACRYLOYLOXYBUTYL ANTHRANILATE/CN
E10	1	METHACRYLOYLOXYETHYL ANTHRANILATE/CN
E11	1	METHACRYLOYLOXYETHYL ANTHRANILATE POLYMER/CN
E12	1	METHACRYLOYLOXYETHYL ANTHRANILATE-BUTADIENE-STYRENE POLYMER/CN
E13	1	METHACRYLOYLOXYETHYL ANTHRANILATE-STYRENE-BUTYL ACRYLATE POLYMER/CN
E14	1	METHACRYLOYLOXYETHYL DIPHENYL PHOSPHATE/CN
E15	1	METHACRYLOYLOXYETHYL ISOCYANATE-METHOXYTETRAETHYLENE GLYCOL MONOMETHACRYLATE COPOLYMER/CN
E16	1	METHACRYLOYLOXYETHYL ISOCYANATE-METHYL METHACRYLATE COPOLYMER/CN
E17	1	METHACRYLOYLOXYETHYL ISOCYANATE-METHYL METHACRYLATE-B-(PERFLUOROCTYL)ETHYL METHACRYLATE COPOLYMER/CN
E18	1	METHACRYLOYLOXYETHYL ISOCYANATE-METHYL METHACRYLATE-TRI(OXYTETRAMETHYLENE) GLYCOL DIMETHACRYLATE COPOLYMER/CN
E19	1	METHACRYLOYLOXYETHYL PHOSPHATE/CN
E20	1	METHACRYLOYLOXYETHYL PHOSPHATE-2-METHYLSTYRENE-TRIS(2-(ACRYLOYLOXY)ETHYL) ISOCYANURATE-VINYLSULFONIC ACID-2-VINYLTIAZOLE-VINYL N-VALERATE COPOLYMER/CN

E21 1 METHACRYLOYLOXYETHYL  
PHOSPHATE-3-METHYLSTYRENE-TRIS(2-(ACRYLOYLOXY)ETHYL) ISOCYANURATE-VINYL  
BUTYRATE-2-VINYL-1,3-DIOXOLANE COPOLYMER/CN  
E22 1 METHACRYLOYLOXYETHYL PHOSPHATE-ENC-POLYETHYLENE GLYCOL  
DIMETHACRYLATE-RIPOXY 630X501 COPOLYMER/CN  
E23 1 METHACRYLOYLOXYETHYL PHOSPHATE-METHYL METHACRYLATE COPOLYMER/CN  
E24 1 METHACRYLOYLOXYETHYL PHOSPHITE/CN  
E25 1 METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE-TRIFLUOROETHYL  
METHACRYLATE COPOLYMER/CN

=>

=>

Executing the logoff script...

=> LOG H

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	2.25	14.24

SESSION WILL BE HELD FOR 120 MINUTES  
STN INTERNATIONAL SESSION SUSPENDED AT 11:46:38 ON 03 APR 2007

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1642BJF

PASSWORD:

\* \* \* \* \* RECONNECTED TO STN INTERNATIONAL \* \* \* \* \*  
SESSION RESUMED IN FILE 'REGISTRY' AT 11:49:58 ON 03 APR 2007  
FILE 'REGISTRY' ENTERED AT 11:49:58 ON 03 APR 2007  
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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	2.25	14.24

=> file reg

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	2.25	14.24

FILE 'REGISTRY' ENTERED AT 11:50:07 ON 03 APR 2007  
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STRUCTURE FILE UPDATES: 2 APR 2007 HIGHEST RN 928880-35-7  
DICTIONARY FILE UPDATES: 2 APR 2007 HIGHEST RN 928880-35-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006



Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> E "METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE"/CN 25

E1 1 METHACRYLOYLOXYETHYL PHOSPHATE-METHYL METHACRYLATE COPOLYMER/CN  
E2 1 METHACRYLOYLOXYETHYL PHOSPHITE/CN  
E3 0 --> METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE/CN  
E4 1 METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE-TRIFLUOROETHYL  
METHACRYLATE COPOLYMER/CN  
E5 1 METHACRYLOYLOXYETHYL PHTHALATE-4-METHACRYLOYLOXYETHYLTRIMELLITIC  
ANHYDRIDE-TRIETHYLENE GLYCOL DIMETHACRYLATE-URETHANE DIMETHACRYLATE COPOLYMER/CN  
E6 1 METHACRYLOYLOXYETHYL SUCCINATE/CN  
E7 1 METHACRYLOYLOXYETHYL SUCCINATE-METHYL METHACRYLATE COPOLYMER/CN  
E8 1 METHACRYLOYLOXYETHYL-BENZYLDMETHYLAMMONIUM CHLORIDE/CN  
E9 1 METHACRYLOYLOXYETHYLDIETHYLMETHYLAMMONIUM  
P-TOLUENESULFONATE-STYRENE COPOLYMER/CN  
E10 1 METHACRYLOYLOXYETHYLDIMETHYLAMINE/CN  
E11 1 METHACRYLOYLOXYETHYLDIMETHYLAMMONIUM CHLORIDE-METHYL  
METHACRYLATE COPOLYMER/CN  
E12 1 METHACRYLOYLOXYETHYLDIMETHYLETHYLAMMONIUM CHLORIDE HOMOPOLYMER/CN  
E13 1 METHACRYLOYLOXYETHYLDIMETHYLOCTYLAMMONIUM CHLORIDE-METHYL  
METHACRYLATE COPOLYMER/CN  
E14 1 METHACRYLOYLOXYETHYLHEXADECYLDIMETHYL AMMONIUM BROMIDE-STYRENE  
COPOLYMER/CN  
E15 1 METHACRYLOYLOXYETHYLHEXADECYLDIMETHYLAMMONIUM  
BROMIDE-METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-METHYL METHACRYLATE-STYRENE  
COPOLYMER/CN  
E16 1 METHACRYLOYLOXYETHYLMETHYL ANTHRANILATE-ETHYL ACRYLATE POLYMER/CN  
E17 1 METHACRYLOYLOXYETHYLTRIMETHYL AMMONIUM  
CHLORIDE-N-METHYLOLACRYLAMIDE-N-VINYL-2-PYRROLIDINONE COPOLYMER/CN  
E18 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE HOMOPOLYMER/CN  
E19 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-ACRYLAMIDE  
COPOLYMER/CN  
E20 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM  
CHLORIDE-ACRYLOYLMORPHOLINE-POLYETHYLENE GLYCOL DIMETHACRYLATE COPOLYMER/CN  
E21 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-ETHYL  
METHACRYLATE COPOLYMER/CN  
E22 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-LAURYL  
METHACRYLATE COPOLYMER/CN  
E23 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-METHYL  
METHACRYLATE COPOLYMER/CN  
E24 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-METHYL  
METHACRYLATE-N-VINYL-2-PYRROLIDONE COPOLYMER/CN  
E25 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-MS 3800 GRAFT  
COPOLYMER/CN

=> E "2-METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE"/CN 25

E1 1 2-METHACRYLOYLOXYETHYL PHOSPHATE-SODIUM ACRYLATE COPOLYMER/CN  
E2 1 2-METHACRYLOYLOXYETHYL PHOSPHATE-STYRENE COPOLYMER/CN  
E3 1 --> 2-METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE/CN  
E4 1 2-METHACRYLOYLOXYETHYL  
PHOSPHORYLCHOLINE-(4-METHOXYCINNAOYL) PHENYL METHACRYLATE COPOLYMER/CN  
E5 1 2-METHACRYLOYLOXYETHYL  
PHOSPHORYLCHOLINE-3-METHACRYLOYLOXYPROPYLTRIETHOXY-SILANE COPOLYMER/CN  
E6 1 2-METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE-METHYLENEBISACRYLAMIDE  
COPOLYMER/CN  
E7 1 2-METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE-OXIRANE BLOCK  
COPOLYMER/CN

E8 1 2-METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE-P-PHENYLAZOACRYLANILIDE  
 COPOLYMER/CN  
 E9 1 2-METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE-PROPYL METHACRYLATE  
 COPOLYMER/CN  
 E10 1 2-METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE-PROPYLENE OXIDE BLOCK  
 COPOLYMER/CN  
 E11 1 2-METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE-STYRENE COPOLYMER/CN  
 E12 1 2-METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE-TRIETHYLENE GLYCOL  
 DIMETHACRYLATE COPOLYMER/CN  
 E13 1 2-METHACRYLOYLOXYETHYL PHTHALATE-METHYL METHACRYLATE COPOLYMER/CN  
 E14 1 2-METHACRYLOYLOXYETHYL PHTHALIC ACID ZINC SALT/CN  
 E15 2 2-METHACRYLOYLOXYETHYL SUCCINATE/CN  
 E16 1 2-METHACRYLOYLOXYETHYL SUCCINATE-2,2,2-TRIFLUOROETHYL  
 METHACRYLATE-YDCN. 703 COPOLYMER/CN  
 E17 1 2-METHACRYLOYLOXYETHYL SUCCINATE-STYRENE COPOLYMER/CN  
 E18 1 2-METHACRYLOYLOXYETHYL SULFATE PYRIDINE SALT/CN  
 E19 1 2-METHACRYLOYLOXYETHYL  
 TRANS-2,5-DIMETHOXYSTILBENE-4'-CARBAMATE/CN  
 E20 1 2-METHACRYLOYLOXYETHYL TRIMELLITATE/CN  
 E21 1 2-METHACRYLOYLOXYETHYL TRIMETHYLAMMONIUM CHLORIDE-METHYL  
 METHACRYLATE-ETHYL METHACRYLATE COPOLYMER/CN  
 E22 1 2-METHACRYLOYLOXYETHYL-2'-(TRIMETHYLAMMONIO)ETHYL  
 PHOSPHATE-POLYPROPYLENE GLYCOL MONOMETHACRYLATE COPOLYMER/CN  
 E23 1 2-METHACRYLOYLOXYETHYL-2'-(TRIMETHYLAMMONIO)ETHYL  
 PHOSPHATE-STEARYL METHACRYLATE COPOLYMER/CN  
 E24 1 2-METHACRYLOYLOXYETHYL-2'-TRIMETHYLAMMONIUMETHYL PHOSPHATE INNER  
 SALT-POLYETHYLENE GLYCOL METHACRYLATE BLOCK COPOLYMER/CN  
 E25 1 2-METHACRYLOYLOXYETHYL-2-(TRIMETHYLAMMONIO)ETHYL  
 PHOSPHATE-STEARYL METHACRYLATE COPOLYMER/CN

=> S E3

L4 1 "2-METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE"/CN

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

5.40

19.64

FILE 'REGISTRY' ENTERED AT 11:50:52 ON 03 APR 2007

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DICTIONARY FILE UPDATES: 2 APR 2007 HIGHEST RN 928880-35-7

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TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

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 conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and  
 predicted properties as well as tags indicating availability of  
 experimental property data in the original document. For information  
 on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> s 14

L5

1 "2-METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE"/CN

=> d ibib

'IBIB' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

REG - RN  
SAM - Index Name, MF, and structure - no RN  
FIDE - All substance data, except sequence data  
IDE - FIDE, but only 50 names  
SQIDE - IDE, plus sequence data  
SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used  
SQD - Protein sequence data, includes RN  
SQD3 - Same as SQD, but 3-letter amino acid codes are used  
SQN - Protein sequence name information, includes RN  
  
CALC - Table of calculated properties  
EPROP - Table of experimental properties  
PROP - EPROP and CALC

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS -- Abstract  
APPS -- Application and Priority Information  
BIB -- CA Accession Number, plus Bibliographic Data  
CAN -- CA Accession Number  
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)  
IND -- Index Data  
IPC -- International Patent Classification  
PATS -- PI, SO  
STD -- BIB, IPC, and NCL  
  
IABS -- ABS, indented, with text labels  
IBIB -- BIB, indented, with text labels  
ISTD -- STD format, indented  
  
OBIB ----- AN, plus Bibliographic Data (original)  
OIBIB ----- OBIB, indented with text labels  
  
SBIB ----- BIB, no citations  
SIBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL.

The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

HELP DFIELDS -- To see a complete list of individual display fields.  
HELP FORMATS -- To see detailed descriptions of the predefined formats.  
ENTER DISPLAY FORMAT (IDE):end

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

FULL ESTIMATED COST

ENTRY	SESSION
5.40	25.04

FILE 'CAPLUS' ENTERED AT 11:51:09 ON 03 APR 2007  
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FILE COVERS 1907 - 3 Apr 2007 VOL 146 ISS 15  
FILE LAST UPDATED: 2 Apr 2007 (20070402/ED)

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<http://www.cas.org/infopolicy.html>

=> s 14

L6 222 L4

=> d his

(FILE 'HOME' ENTERED AT 11:41:25 ON 03 APR 2007)

FILE 'REGISTRY' ENTERED AT 11:41:52 ON 03 APR 2007

L1 1 S 2495-37-6

FILE 'CAPLUS' ENTERED AT 11:42:05 ON 03 APR 2007

L2 27 S L1/POF

L3 5 S L2 NOT PY>2001

FILE 'REGISTRY' ENTERED AT 11:43:55 ON 03 APR 2007

E "METHACRYLOYLOXETHYL"/CN 25

E "2-METHACRYLOYLOXETHYL PHOSPHORYLCHOLINE"/CN 25

E "METHACRYLOYLOXETHYL PHOSPHORYLCHOLINE"/CN 25

FILE 'REGISTRY' ENTERED AT 11:50:07 ON 03 APR 2007

E "METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE"/CN 25

E "2-METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE"/CN 25

L4 1 S E3

FILE 'REGISTRY' ENTERED AT 11:50:52 ON 03 APR 2007

L5 1 S L4

FILE 'CAPLUS' ENTERED AT 11:51:09 ON 03 APR 2007

L6 222 S L4

=> s 11

L7 504 L1

=> s 16 and 17

L8 0 L6 AND L7

=> s 16 and benzyl

181949 BENZYL  
55 BENZYLS  
181973 BENZYL  
(BENZYL OR BENZYLS)

L9 0 L6 AND BENZYL

=> s agglutination

14384 AGGLUTINATION  
139 AGGLUTINATIONS

L10 14438 AGGLUTINATION  
(AGGLUTINATION OR AGGLUTINATIONS)

=> s 110 and 17

L11 0 L10 AND L7

=> s 110 and 16

L12 2 L10 AND L6

=> d ibib 1-2

L12 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2002:172237 CAPLUS <<LOGINID::20070403>>

DOCUMENT NUMBER: 136:213193

TITLE: Highly reproducible agglutination  
immunoassay method and reagent

INVENTOR(S): Shigenobu, Kayoko; Shuto, Kenshiro; Sakaki, Shujiro

PATENT ASSIGNEE(S): Kyowa Medex Co.,ltd, Japan; Nof Corporation

SOURCE: PCT Int. Appl., 35 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002018953	A1	20020307	WO 2001-JP7385	20010828
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW			
RW:	DE, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2420770	A1	20020307	CA 2001-2420770	20010828
AU 200180210	A	20020313	AU 2001-80210	20010828
EP 1314982	A1	20030528	EP 2001-958575	20010828
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
US 2003166302	A1	20030904	US 2003-363038	20030228
US 7166476	B2	20070123		

PRIORITY APPLN. INFO.: JP 2000-259964 A 20000829  
WO 2001-JP7385 W 20010828

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2001:617197 CAPLUS <<LOGINID::20070403>>

DOCUMENT NUMBER: 135:192510

TITLE: Microparticle dispersion agent for clinical test,  
reagent for clinical test, its manufacturing method,  
clinical test method and application

INVENTOR(S): Shudo, Kenshiro; Sakaki, Shujiro; Yamada, Satoru;  
 Sakamoto, Nobuyuki; Suzuki, Tadashi  
 PATENT ASSIGNEE(S): Nof Corporation, Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001228149	A	20010824	JP 2000-34931	20000214
PRIORITY APPLN. INFO.:			JP 2000-34931	20000214

=> d abs 2

L12 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN  
 AB A microparticle dispersion agent for a clin. test is provided, which improves a dispersion stability of the microparticle-containing reagent and a redispersion ability of the microparticles for clin. test coagulated during the process of reagent preparation or measurement without decreasing the activity of the bound antigen or antibody. The microparticle dispersion agent possessing high reproducibility and high sensitivity is processed by a simple method suited for an automated analyzer. The agent contains as an effective component a polymer prepared by polymerizing the monomer composition consisting of phosphorylcholin-analogous group-containing monomer (e.g., 2-(meth)acryloyloxyethyl-2'-(trimethylammonio)ethylphosphate).

=> d his

(FILE 'HOME' ENTERED AT 11:41:25 ON 03 APR 2007)

L1 FILE 'REGISTRY' ENTERED AT 11:41:52 ON 03 APR 2007  
 1 S 2495-37-6

L2 FILE 'CAPLUS' ENTERED AT 11:42:05 ON 03 APR 2007  
 27 S L1/POF  
 L3 5 S L2 NOT PY>2001

FILE 'REGISTRY' ENTERED AT 11:43:55 ON 03 APR 2007  
 E "METHACRYLOYLOXETHYL"/CN 25  
 E "2-METHACRYLOYLOXETHYL PHOSPHORYLCHOLINE"/CN 25  
 E "METHACRYLOYLOXETHYL PHOSPHORYLCHOLINE"/CN 25

L4 FILE 'REGISTRY' ENTERED AT 11:50:07 ON 03 APR 2007  
 E "METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE"/CN 25  
 E "2-METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE"/CN 25  
 1 S E3

L5 FILE 'REGISTRY' ENTERED AT 11:50:52 ON 03 APR 2007  
 1 S L4

L6 FILE 'CAPLUS' ENTERED AT 11:51:09 ON 03 APR 2007  
 222 S L4  
 L7 504 S L1  
 L8 0 S L6 AND L7  
 L9 0 S L6 AND BENZYL  
 L10 14438 S AGGLUTINATION  
 L11 0 S L10 AND L7  
 L12 2 S L10 AND L6

=> s 16 not py>2002  
5101876 PY>2002  
L13 88 L6 NOT PY>2002

=> s 113 and methacrylate  
218320 METHACRYLATE  
11962 METHACRYLATES  
220696 METHACRYLATE  
(METHACRYLATE OR METHACRYLATES)  
L14 50 L13 AND METHACRYLATE

=> s 113 and arylacrylate  
50 ARYLACRYLATE  
53 ARYLACRYLATES  
85 ARYLACRYLATE  
(ARYLACRYLATE OR ARYLACRYLATES)  
L15 0 L13 AND ARYLACRYLATE

=> d 114 ibib kwic

L14 ANSWER 1 OF 50 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2003:134901 CAPLUS <<LOGINID::20070403>>  
DOCUMENT NUMBER: 139:265636  
TITLE: Segmented polyurethane/ 2-methacryloyloxyethyl  
phosphorylcholine polymer alloy as novel biomaterials  
with nano-scale polymer domains  
AUTHOR(S): Ogawa, Ryo; Watanabe, Junji; Ishihara, Kazuhiko  
CORPORATE SOURCE: Department of Materials Engineering, School of  
Engineering, The University of Tokyo, Japan  
SOURCE: Transactions of the Materials Research Society of  
Japan (2002), 27(4), 767-770  
CODEN: TMRJE3; ISSN: 1382-3469  
PUBLISHER: Materials Research Society of Japan  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT  
IT 182816-96-2P, 2-Ethylhexyl methacrylate-2-methacryloyloxyethyl  
phosphorylcholine copolymer  
RL: PEP (Physical, engineering or chemical process); PRP (Properties); PYP  
(Physical process); SPN (Synthetic preparation); THU (Therapeutic use);  
BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)  
(polymer alloy of segmented polyurethane with 2-methacryloyloxyethyl  
phosphorylcholine polymer as novel biomaterials with nano-scale polymer  
domains)  
IT 67881-98-5P, 2-Methacryloyloxyethyl phosphorylcholine  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(polymer alloy of segmented polyurethane with 2-methacryloyloxyethyl  
phosphorylcholine polymer as novel biomaterials with nano-scale polymer  
domains)

=> s 114 and benz?  
1292616 BENZ?  
L16 3 L14 AND BENZ?

=> d ibib 1-3

L16 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2000:69582 CAPLUS <<LOGINID::20070403>>  
DOCUMENT NUMBER: 132:208187  
TITLE: Kinetic study on the radical polymerization of

2-methacryloyloxyethyl phosphorylcholine  
 AUTHOR(S): Sato, Tsuneyuki; Miyoshi, Takashi; Seno, Makiko  
 CORPORATE SOURCE: Department of Chemical Science and Technology, Faculty  
 of Engineering, Tokushima University, Tokushima,  
 770-8506, Jordan  
 SOURCE: Journal of Polymer Science, Part A: Polymer Chemistry  
 (2000), 38(3), 509-515  
 CODEN: JPACEC; ISSN: 0887-624X  
 PUBLISHER: John Wiley & Sons, Inc.  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 1998:512479 CAPLUS <<LOGINID::20070403>>  
 DOCUMENT NUMBER: 129:221223  
 TITLE: Soluble cellulose derivatives, their manufacture,  
 grafted products, and biocompatible materials  
 INVENTOR(S): Fukui, Hiroki; Matsuyama, Kazuo; Ishihara, Kazuhiko;  
 Nakabayashi, Nobuo  
 PATENT ASSIGNEE(S): Nippon Oil and Fats Co., Ltd., Japan; Nakabayashi,  
 Norio; Foundation for Scientific Technology Promotion  
 SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10212301	A	19980811	JP 1997-14988	19970129
PRIORITY APPLN. INFO.:			JP 1997-14988	19970129

L16 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 1997:381020 CAPLUS <<LOGINID::20070403>>  
 DOCUMENT NUMBER: 126:343686  
 TITLE: Synthesis of polymerizable phosphodiester  
 INVENTOR(S): Driver, Michael John; Russel, Jeremy Colin; Browne,  
 Judith Elizabeth; Sammes, Peter G.  
 PATENT ASSIGNEE(S): Biocompatibles Limited, UK; Driver, Michael John;  
 Russel, Jeremy Colin; Browne, Judith Elizabeth;  
 Sammes, Peter G.  
 SOURCE: PCT Int. Appl., 52 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9714703	A1	19970424	WO 1996-GB2540	19961016
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,				
DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC,				
LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT,				
RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN,				
AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR,				
IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG				
CA 2233161	A1	19970424	CA 1996-2233161	19961016
AU 9673121	A	19970507	AU 1996-73121	19961016
EP 874857	A1	19981104	EP 1996-935017	19961016



R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
IE, FI

CN 1202899	A	19981223	CN 1996-198530	19961016
JP 11513681	T	19991124	JP 1996-515610	19961016
PRIORITY APPLN. INFO.:			GB 1995-21234	A 19951017
			WO 1996-GB2540	W 19961016

OTHER SOURCE(S): CASREACT 126:343686; MARPAT 126:343686

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L16 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2000:69582 CAPLUS <<LOGINID::20070403>>

DOCUMENT NUMBER: 132:208187

TITLE: Kinetic study on the radical polymerization of  
2-methacryloyloxyethyl phosphorylcholine

AUTHOR(S): Sato, Tsuneyuki; Miyoshi, Takashi; Seno, Makiko

CORPORATE SOURCE: Department of Chemical Science and Technology, Faculty  
of Engineering, Tokushima University, Tokushima,  
770-8506, Jordan

SOURCE: Journal of Polymer Science, Part A: Polymer Chemistry  
(2000), 38(3), 509-515  
CODEN: JPACEC; ISSN: 0887-624X

PUBLISHER: John Wiley & Sons, Inc.

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

AB Polymerization of 2-(methacryloyloxy)ethyl phosphorylcholine (MPC) was  
kinetically investigated in ethanol using di-Me 2,2'-azobisisobutyrate  
(MAIB) as initiator. The overall activation energy of the homogeneous  
polymerization was calculated to be 71 kJ/mol. The polymerization rate ( $R_p$ )  
was expressed

by  $R_p = k[\text{MAIB}]^{0.54} = 0.05 [\text{MPC}]^{1.8 \pm 0.1}$ . The higher dependence of  $R_p$  on  
the monomer concentration comes from acceleration of propagation due to monomer  
aggregation and also from retardation of termination due to viscosity  
effect of the MPC monomer. Rate consts. of propagation ( $k_p$ ) and  
termination ( $k_t$ ) of MPC were estimated by means of ESR to be  $k_p = 180 \text{ L/mol} \cdot \text{s}$   
and  $k_t = 2.8 + 104 \text{ L/mol} \cdot \text{s}$  at  $60^\circ\text{C}$ , resp.

Because of much slower termination,  $R_p$  of MPC in ethanol was found at  
 $60^\circ\text{C}$  to be 8 times that of Me methacrylate (MMA) in  
benzene. Polymerization of MPC with MAIB in ethanol was accelerated by  
the presence of water and retarded by the presence of benzene or  
acetonitrile. Poly(MPC) showed a peculiar solubility behavior; although  
poly(MPC) was highly soluble in ethanol and in water, it was insol. in aqueous  
ethanol of water content of 7.4-39.8 vol%. The radical copolymn. of MPC  
(M1) and styrene (St) (M2) in ethanol at  $50^\circ\text{C}$  gave the following  
copolymn. parameters similar to those of the copolymn. of MMA and St;  $r_1 =$   
0.39,  $r_2 = 0.46$ ,  $Q_1 = 0.76$ , and  $e_1 = +0.51$ .

IT 67881-98-5, 2-(Methacryloyloxy)ethyl phosphorylcholine

RL: PRP (Properties); RCT (Reactant); RACT (Reactant or reagent)  
(kinetics and reactivity ratio in radical polymerization of)

IT 64-17-5, Ethanol, uses 71-43-2, Benzene, uses 75-05-8,

Acetonitrile, uses 7732-18-5, Water, uses

RL: TEM (Technical or engineered material use); USES (Uses)

(solvent effect on radical solution polymerization of methacryloyloxyethyl  
phosphorylcholine)

L16 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1998:512479 CAPLUS <<LOGINID::20070403>>

DOCUMENT NUMBER: 129:221223

TITLE: Soluble cellulose derivatives, their manufacture,  
grafted products, and biocompatible materials

INVENTOR(S): Fukui, Hiroki; Matsuyama, Kazuo; Ishihara, Kazuhiko;

PATENT ASSIGNEE(S): Nakahayashi, Nobuo  
 SOURCE: Nippon Oil and Fats Co., Ltd., Japan; Nakabayashi, Norio; Foundation for Scientific Technology Promotion Jpn. Kokai Tokkyo Koho, 11 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10212301	A	19980811	JP 1997-14988	19970129
PRIORITY APPLN. INFO.:			JP 1997-14988	19970129
IT 868-77-9DP, 2-Hydroxyethyl methacrylate, graft copolymers with tert-butylperoxycarbonylmethyl hydroxypropyl Me cellulose 67881-98-5DP, 2-(Methacryloyloxy)ethyl 2-(trimethylammonio)ethyl phosphate, graft copolymers with tert-butylperoxycarbonylmethyl hydroxypropyl Me cellulose 87026-37-7DP, reaction products with hydroxypropyl Me cellulose, graft copolymers with 2-(methacryloyloxy)ethyl 2-(trimethylammonio)ethyl phosphate 88475-85-8DP, tert-Butylperoxy 4-(bromomethyl)benzoate, reaction products with hydroxypropyl Me cellulose, graft copolymers with 2-(methacryloyloxy)ethyl 2-(trimethylammonio)ethyl phosphate RL: PRP (Properties); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of soluble cellulose graft polymers for biocompatible medical materials)				
IT 75-91-2, tert-Butyl hydroperoxide 9004-65-3, Hydroxypropyl methyl cellulose 22118-09-8, Bromoacetyl chloride 52780-16-2, 4-(Bromomethyl) benzoyl chloride RL: RCT (Reactant); RACT (Reactant or reagent) (preparation of soluble cellulose graft polymers for biocompatible medical materials)				

L16 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 1997:381020 CAPLUS <<LOGINID::20070403>>  
 DOCUMENT NUMBER: 126:343686  
 TITLE: Synthesis of polymerizable phosphodiester  
 INVENTOR(S): Driver, Michael John; Russel, Jeremy Colin; Browne, Judith Elizabeth; Sammes, Peter G.  
 PATENT ASSIGNEE(S): Biocompatibles Limited, UK; Driver, Michael John; Russel, Jeremy Colin; Browne, Judith Elizabeth; Sammes, Peter G.  
 SOURCE: PCT Int. Appl., 52 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9714703	A1	19970424	WO 1996-GB2540	19961016
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG CA 2233161 A1 19970424 CA 1996-2233161 19961016 AU 9673121 A 19970507 AU 1996-73121 19961016 EP 874857 A1 19981104 EP 1996-935017 19961016				

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
IE, FI

CN 1202899	A	19981223	CN 1996-198530	19961016
JP 11513681	T	19991124	JP 1996-515610	19961016
PRIORITY APPLN. INFO.:			GB 1995-21234	A 19951017
			WO 1996-GB2540	W 19961016

OTHER SOURCE(S): CASREACT 126:343686; MARPAT 126:343686

AB A mono- of di-functional phosphoramidite phosphitylating agent is used to phosphitylate an ethylenically unsatd. alc. The product may be oxidized to form the corresponding phosphate ester which may be reacted in further steps to form phosphoryl choline derivs. The process is of value in the synthesis of 2-(methacryloyloxyethyl)-2'-(trimethylammoniummethyl)phosphate, inner salt. It has the advantage over prior art processes in that the starting materials and intermediates are more stable and consequently easier to handle. Thus, reaction of hydroxyethyl methacrylate with [(Me2CH)2N]2POCH2CH2CN in the presence of 4,5-dichloroimidazole in MeCN in the presence of 4A° mol. sieves gave (Me2CH)2NP(OCH2CH2CN)(OCH2CH2OC(O)CMe:CH2) which on treatment with BrCH2CH2OH gave (BrCH2CH2O)P(OCH2CH2CN)(OCH2CH2OC(O)CMe:CH2). Oxidation of the later with 3-chloroperbenzoic acid followed by treatment with Et3N in MeCN gave title compound, 2-(methacryloyloxyethyl)-2'-(trimethylammoniummethyl)phosphate, inner salt in 30% overall yield.

IT 28623-31-6P 132270-46-3P 190070-83-8P 190070-96-3P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation and reaction with hydroxyethyl methacrylate)

IT 67881-98-5P 166384-17-4P 168638-95-7P 168638-97-9P  
190070-89-4P 190070-93-0P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

IT 65-85-0, Benzoic acid, reactions 110-94-1, Pentanedioic acid  
124-04-9, Hexanedioic acid, reactions  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(reaction with aminodioxaphospholane)

IT 102691-36-1  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(reaction with hydroxyethyl methacrylate)

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---Logging off of STN---

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Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
FULL ESTIMATED COST	ENTRY	SESSION
	40.27	65.31
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
CA SUBSCRIBER PRICE	ENTRY	SESSION
	-2.34	-2.34

STN INTERNATIONAL LOGOFF AT 12:05:28 ON 03 APR 2007

Connecting via Winsock to STN